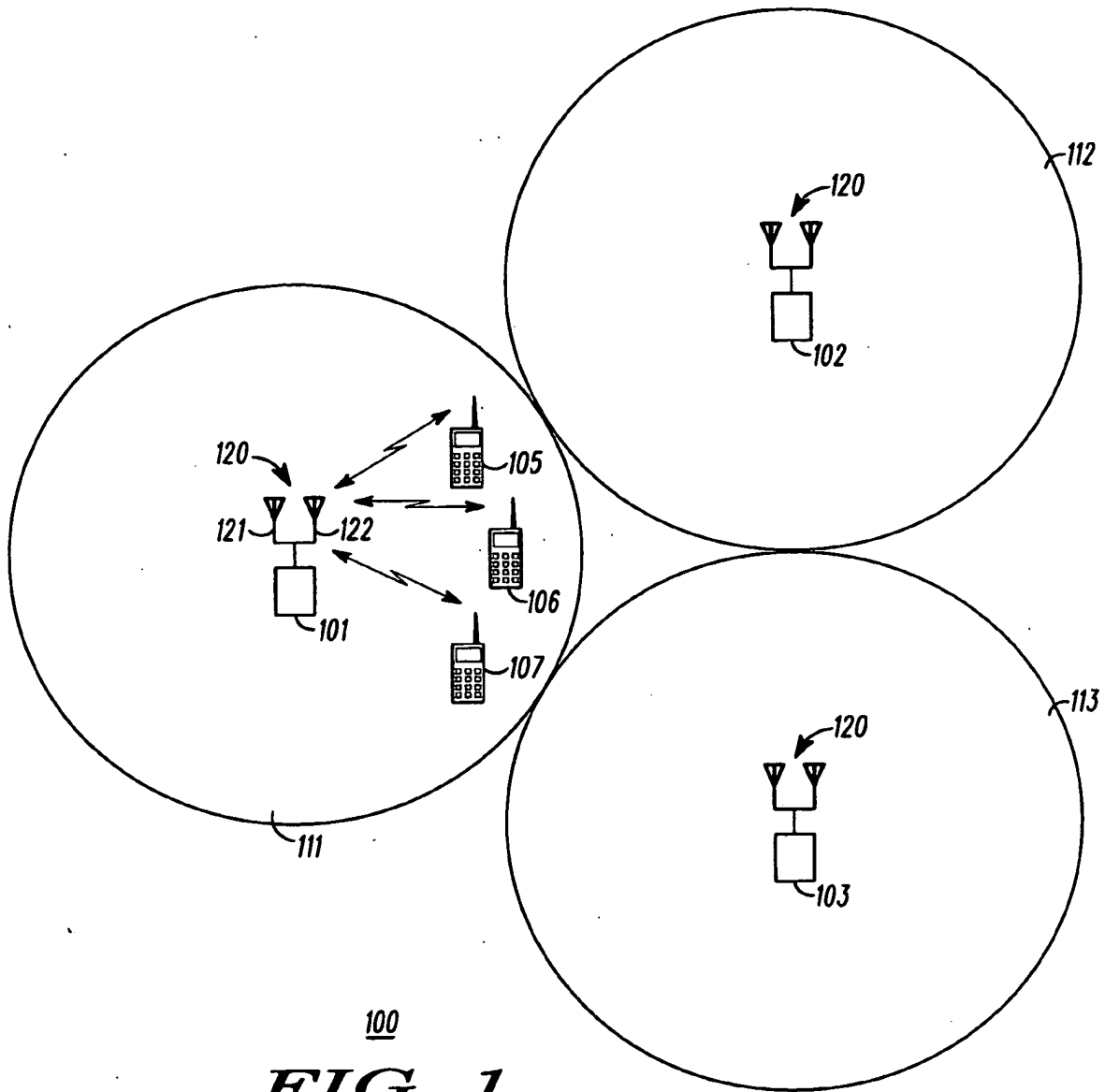


375/267  
3/10/00

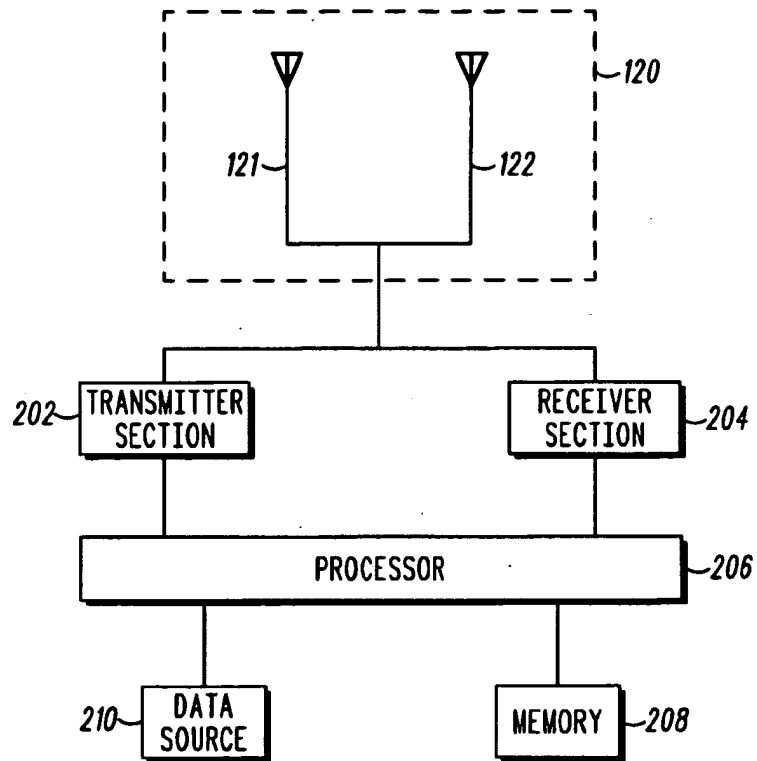
1/5

0900189050704



100  
**FIG. 1**

101-103



**FIG. 2**

09801892-050704  
102050-26810860

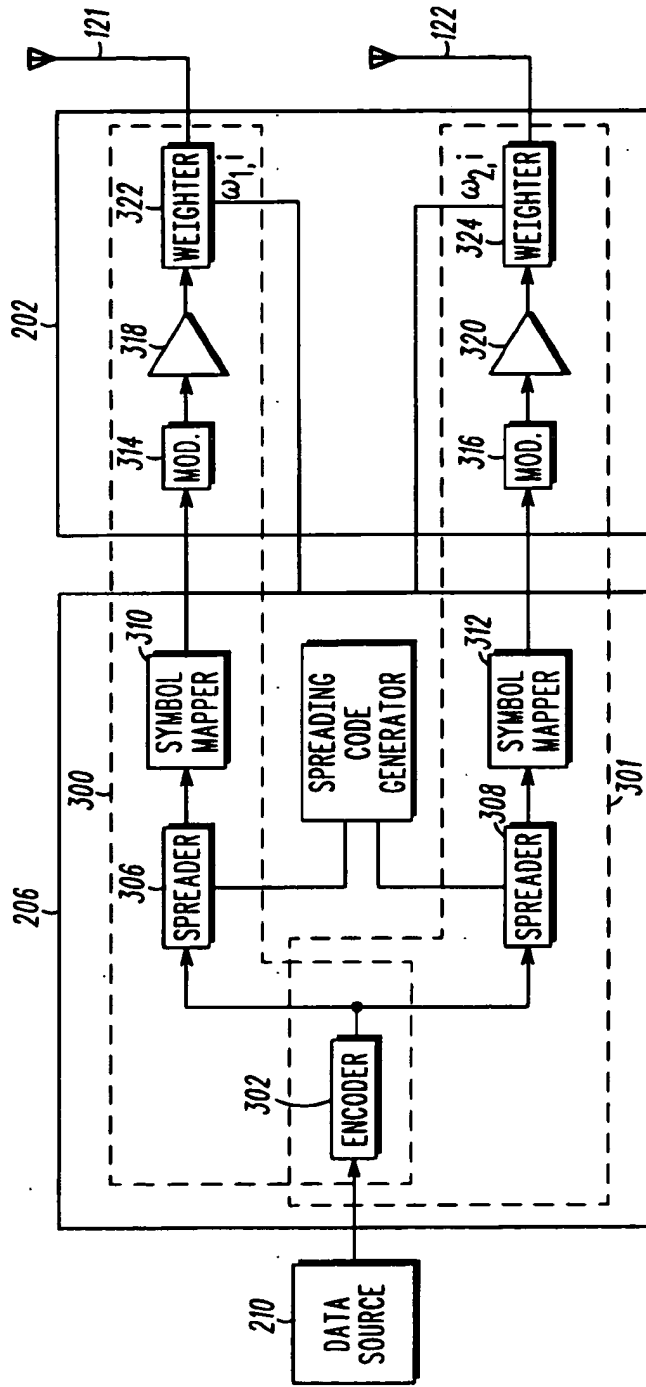


FIG. 3

TO 2050-26870860

4/5

400

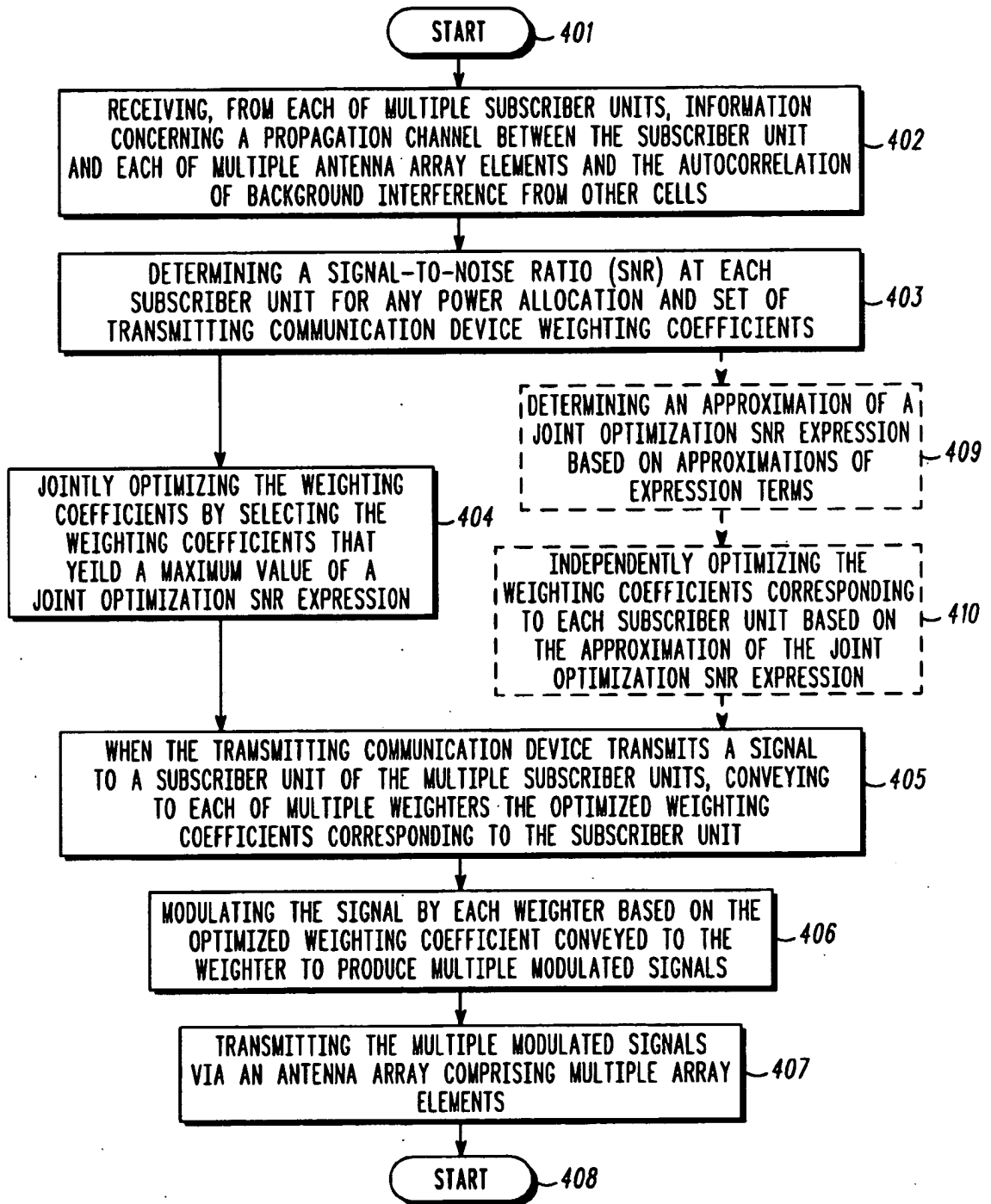


FIG. 4

5/5

$E_c/I_{or}$	$(E_s/N_t)_{TxAA} - (E_s/N_t)_{STD} \text{ (dB)}$			
	$I_{or}/I_{oc}=0 \text{ dB}$	$I_{or}/I_{oc}=5 \text{ dB}$	$I_{or}/I_{oc}=10 \text{ dB}$	$I_{or}/I_{oc}=\infty \text{ dB}$
0.05	2.00	1.66	1.28	0.92
0.1	1.94	1.52	1.07	0.61
0.2	1.82	1.25	0.62	-0.03
0.5	1.44	0.37	-0.93	-2.45
0.9	0.91	-1.01	-3.85	-9.88

A COMPARISON OF THE PERFORMANCE OF TxAA ANTENNA ARRAY WEIGHTING AND STD AS A FUNCTION OF  $I_{or}/I_{oc}$  AND  $E_c/I_{or}$ .

**FIG. 5**

$E_c/I_{or}$	$(E_s/N_t)_{OPTIMAL} - (E_s/N_t)_{TxAA} \text{ (dB)}$			
	$I_{or}/I_{oc}=0 \text{ dB}$	$I_{or}/I_{oc}=5 \text{ dB}$	$I_{or}/I_{oc}=10 \text{ dB}$	$I_{or}/I_{oc}=\infty \text{ dB}$
0.05	0.02	0.09	0.21	0.36
0.1	0.03	0.13	0.29	0.51
0.2	0.05	0.22	0.51	0.90
0.5	0.14	0.65	1.55	2.84
0.9	0.36	1.62	4.03	9.89

A COMPARISON OF THE PERFORMANCE OF OPTIMIZED TRANSMITTER ANTENNA ARRAY WEIGHTING OF THE PRESENT INVENTION (OPTIMAL) WITH THE TxAA TRANSMITTER ANTENNA ARRAY WEIGHTING OF THE PRIOR ART AS A FUNCTION OF  $I_{or}/I_{oc}$  AND  $E_c/I_{or}$ .

**FIG. 6**

FOI 2050 26810860

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☒ OTHER: Black spots

**IMAGES ARE BEST AVAILABLE COPY.**

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.